

Reviewer#1: The reviewer has no specific comments to the authors. Only some minor language polishing should be corrected.

Response: we performed a further language polishing in a language service corporation (American Journal Expert) to make the language more local. The revised places were marked with red. Additionally, we wrote a short paragraph to make a discussion about the limitation of this research, according to the suggestion from another reviewer. The short paragraph were marked with blue, located at the discussion part.

Reviewer#2: Minor comments: 1. The manuscript requires a minor editing. Some minor language polishing should be revised. 2. The quality of the figures should be improved. 3. Are there any limitation for this research? Please make a short discussion for it.

Response:

1. We performed a further language polishing in a language service corporation (American Journal Expert) to make the language more local. The revised places were marked with red.
2. We increased the resolution of each figures from 300dpi to 500dpi, to improve the quality of the figures. For instance, the KEGG and Heatmap (Figure 7) were clearer to see, compared with the previous version.
3. We wrote a short paragraph to make a discussion about the limitation of this research, the paragraph were marked with blue.